

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0036], as follows:

The resource use device 30 temporarily accesses the resource providing device 20 to use a resource of the resource providing device 20. Herein, the expression "use a resource" means that the resource use device 30 access the resource providing device 20 and uses a part of, or the entirety of, the functions of the resource aecess-providing device 20. For example, the resource use device 30 accesses data stored in the resource providing device 20, or inputs data to, or outputs data from, a device implemented by the resource providing device 20.

Please amend paragraph [0043], as follows:

In the access 14, information on a resource to be accessed by the resource use device 30, among the resources stored in the resource providing device 20, is recorded. Specifically, a command usable by the resource use device 30 and information regarding a parameter for the command (hereinafter, referred to as a "parameter restriction") are recorded in the access 14. In the example shown in FIG.-6 2, functions realized by a combination of a command and information regarding a parameter restriction are shown for better understanding.

Please amend paragraph [0050], as follows:

In the access 23, information on the resource to be accessed by the resource use device 30, among the resources stored in the resource providing device 20, is recorded. Specifically, a command usable by the resource use device 30 and information regarding a parameter for the command are recorded in the access 14 23. Upon receiving a command from the resource use device 30, the resource providing device 20 refers to the access management table 204 to determine whether or not to permit an access from the resource use device 30 based on the access 23 corresponding to the use side 22.

Please amend paragraph [0054], as follows:

The access permission unit 106 receives information on the resource use device 30 which is to access the resource providing device 20 from an input unit (not shown) of

the access control device 10, and records the information in the permission information management table 104. The information on the resource use device 30 may be input by the user via the input unit of the access control device 10, or may be transmitted from the resource access-use device 30. Alternatively, information on the resource use device 30 may be stored in the storage unit 103 of the access control device 10 beforehand, and relevant information may be selected and input.

Please amend paragraph [0060], as follows:

The existence check unit 107 determines whether or not the resource use device 30 recorded in the permission information management table 104 exists in the network. Specifically, the existence check unit 107 generates an existence check instruction and transfers the instruction to the communication unit 101. The existence check unit 107 then receives a response transmitted from the resource use device 30 via the communication unit 101 and thus confirms the existence of the resource use device 30. When the existence of the resource use device 30 cannot be confirmed, i.e., when the response from the resource use device 30 is not received, the existence check unit 107 206 notifies the access discard unit 108 207 of the device ID of the resource use device 30.

Please amend paragraph [0073], as follows:

The communication unit 201 is an interface with the network, and transfers an instruction received from the network to the existence check unit 206, the access discard unit, or the resource access permission unit 205. Upon receiving a response from the existence check instruction, the communication unit 201 transfers the response to the existence check unit 206. Upon receiving an access permission discard instruction, the communication unit 201 transfers the access permission discard instruction to the access discard unit 207. Upon receiving an access instruction, the communication unit 201 transfers the access instruction to the resource access permission unit 205. Upon receiving an instruction to be transmitted from the access discard unit 207 or the existence check unit 205, the communication unit 201 101 transmits the instruction to the network.

Please amend paragraph [0079], as follows:

In order to control the use of the resource by the resource use device 30, the access control device 10 and the resource providing device 20 make a preparation. For example, the access control device 10 and the resource providing device 20 establish a mutually communicable state via a communication path (in this example, connection 40). For this, any known method is usable. For example, each device automatically may recognize that the device is connected to the network and obtain information necessary for the connection including such as an IP address or the like using the UPnP technology described in non-patent document 1, and then a mutually communicable state may be established. The user may directly input information necessary for the connection via an input unit (not shown) of each device. Referring to FIG. 2-8, the sequence will be described with an assumption that the preparation is already made and the resource providing device 20 has authenticated an instruction from the access control device 10 and recognizes that an access from the resource use device 30 is permitted.

Please amend paragraph [0083], as follows:

After transmitting the access permission notification instruction, the access control device 10 checks the existence of the resource use device 30 at a predetermined time interval (step S104). When the existence of the resource use device 30 can be confirmed (step S105), the access control device 10 does not generate an access discard instruction.

Please amend paragraph [0084], as follows:

After steps S101 and S102, the resource use device 30 generates an access instruction for accessing the resource access-providing device 20 storing a resource, an access to which needs to be controlled, and transmits the instruction to the resource providing device 20 (step S106). Upon receiving the access instruction, the resource providing device 20 refers to the access management table 204 to determine whether or not to permit an access. Specifically, the resource providing device 20 determines whether or not the command and the device ID recorded in the received access instruction match the command and the device ID recorded in the access management

table 204. Only when the commands and the device IDs match each other, the resource providing device 20 permits an access. Thus, processing in accordance with the command is executed, and the resource use device 30 is allowed to use the resource.

Please amend paragraph [0103], as follows:

The access control device 10 checks the existence of the resource use devices 30 having the devices ID recorded in the use side 12 in accordance with the order recorded in the permission information management table 104. For checking the existence of the resource use devices 30 recorded in the permission information management table 104, the access control device 10 also communicates using the communication interface 13
~~102~~ associated with the device ID of each resource use device 30.

Please amend paragraph [0110], as follows:

First, in the resource providing device 20, the resource access permission unit 205 receives an access permission instruction transmitted from the access control device 10 via the communication unit 201 (step S31), and updates the access management table 204. Specifically, the resource access permission unit 205 refers to the access management table 204 to record the device ID corresponding to the resource use device 30 recorded in the access permission instruction and also record the control information recorded in the access permission instruction, in the access20423.

Please amend paragraph [0123], as follows:

When communication between the resource providing device and the access control device is disconnected, the access control device cannot transmit an access permission discard instruction to the resource providing device. When this occurs, it is desirable from the viewpoint of security that the resource providing device discards access control on the resource ~~aeeess~~-use device which is accessing to the resource providing device.

Please amend paragraph [0132], as follows:

Hereinafter, specific examples of an operation of the access control system described in the above-described first embodiment will be described. The present invention is not limited to these examples.

Please amend paragraph [0135], as follows:

While the personal computer in the company B is accessing data in the server, the mobile phone checks the existence of the personal computer at a predetermined time interval using the short distance wireless communication. When Mr. Koh finishes the visit to Mr. Otsu and leaves the company B, the distance between the personal computer and the mobile phone increases. The mobile phone instructs the server to delete the information on the personal computer from the access management table 204 when the connection via the short distance wireless communication is disconnected. Thus, after Mr. Koh A leaves the company B, the access permission from the personal computer to the server can be quickly discarded. Therefore, illegal accesses to the server using the personal computer can be prevented, and the confidentiality of the system can be improved.